



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/754,376	01/05/2001	Takuji Yoshihiro	0505-0738P	3525
2292	7590	08/23/2005	EXAMINER	
BIRCH STEWART KOLASCH & BIRCH			HENEGHAN, MATTHEW E	
PO BOX 747			ART UNIT	PAPER NUMBER
FALLS CHURCH, VA 22040-0747			2134	

DATE MAILED: 08/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/754,376	YOSHIHIRO, TAKUJI
	Examiner Matthew Heneghan	Art Unit 2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 20 July 2005.  
 2a) This action is FINAL.      2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-11, 14-17 and 20-24 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-11, 14-17, and 20-24 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 18 February 2005 is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

**DETAILED ACTION**

1. In response to the previous office action, Applicant has amended claims 1 and 3. Claims 1-11, 14-17, and 20-24 have been examined.

***Claim Rejections - 35 USC § 112***

2. In view of Applicant's amendments, all previous rejections under 35 U.S.C. 112, second paragraph are withdrawn.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 20-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 20 recites the limitation "recopied electronic drawing data" in the last limitation. There is insufficient antecedent basis for this limitation in the claim. It is not clear from where the recopied data at the first computer is derived. It is being presumed that this data has been sent back to the first computer from the second computer.

Claims 21-24 depend from rejected claim 20, and include all the limitations of that claim, thereby rendering those dependent claims indefinite.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 2, 4, 9-11, and 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,606,609 to Houser et al.

Houser discloses a document verification method in which security information (a reference characteristic) derived from a document digest is embedded into a document, and later extracted and compared to a calculated document digest (a comparison subject characteristic value) to verify (the determining means) the document (see abstract).

As per claims 4 and 14-17, the security information may be a hash value (see column 4, lines 20-34). If the document is graphical (i.e. a drawing), a watermark may be embedded (see column 4, lines 52-60). All copies show the same document, so they are all drawing data.

As per claims 9-11, the embedded information may be created using a public key encryption algorithm (see column 4, lines 3-10).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-4, 7-11, 14-17, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,246,778 to Moore in view of U.S. Patent No. 5,606,609 to Houser et al. further in view of U.S. Patent No. 6,052,669 to Smith et al.

Regarding claims 1-3 and 20, Moore discloses an authentication system that includes a scenario wherein authentication information is used to authenticate a piece of merchandise to either a supplier or a customer (see claim 9). The authenticating of an item is done by a manufacturer's field computer referencing the manufacturer's database (see abstract). Applicant's specification defines a manufacturer's computer system has possibly comprising a plurality of computer systems (see Specification, p. 6, lines 19-21); therefore the field computer and database computer in conjunction constitute a manufacturer's computer, as they are clearly parts of the same system.

Moore does not disclose the exact algorithm by which the authentication is performed.

Houser discloses a document verification method in which security information (a reference characteristic) derived from a document digest is embedded into a document, and later extracted and compared to a calculated document digest (a comparison

subject characteristic value) to verify (the determining means) the document (see abstract).

Houser further suggests that this gives a system that is user-friendly and deters forgery and alterations (see column 3, lines 41-45).

Therefore, it would be obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of Moore by using the technique disclosed by Houser, in order to yield a system that is user-friendly and deters forgery and alterations.

Regarding claims 4 and 14-17, the security information may be a hash value (see Houser, column 4, lines 20-34). If the document is graphical (i.e. a drawing), a watermark may be embedded (see column 4, lines 52-60). All copies show the same document, so they are all drawing data.

Regarding claims 9-11, the embedded information may be created using a public key encryption algorithm (see Houser, column 4, lines 3-10).

Regarding claims 7 and 8, Moore and Houser also do not disclose the submission of an order based upon an electronic drawing.

Smith discloses a system where a CAD system (which generates electronic drawings) is used by a customer to generate an order to be submitted (see column 5, lines 36-53), and suggests that this is superior to the task being performed via a sales representative, which can take many sales calls and design iterations (see column 2, lines 9-40).

Therefore it would have obvious to one of ordinary skill in the art at the time the invention was made to use the invention of Moore and Houser for a CAD-based ordering system, as disclosed by Smith, as this is superior to the task being performed via a sales representative, which can take many sales calls and design iterations.

6. Claims 5, 6, and 21-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,246,778 to Moore in view of U.S. Patent No. 5,606,609 to Houser et al. as applied to claims 1 and 20 further in view of U.S. Patent Application Publication No. 2002/0019777 to Schwab et al.

The invention of Moore and Houser is not disclosed as being used to represent the three-dimensional geometry of a manufactured product.

Schwab discloses a merchandise return system wherein physical descriptions (i.e. the geometry) of a manufactured product is used as a parameter in a merchandise return (see paragraph 12) and suggests that this allows a user to inspect and authorize a return for credit at a third party location (see paragraph 6).

Therefore, it would be obvious to one of ordinary skill in the art at the time the invention was made to use the invention of Moore and Houser by using it in a return system, as disclosed by Schwab, as this allows a user to inspect and authorize a return for credit at a third party location.

It is noted that Applicant may be able to overcome this stated rejection by claiming the process for acquiring the three-dimensional geometry parameters in greater detail.

***Response to Arguments***

7. Applicant's arguments, see Remarks, filed 20 July 2005, with respect to the rejection(s) of claim(s) 1 and 20 under 35 U.S.C. 102 have been fully considered and are persuasive in view of Applicant's amendments. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Moore and Houser.

***Conclusion***

8. Applicant's amendment filed 18 February 2005 necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew E. Heneghan, whose telephone number is (571) 272-3834. The examiner can normally be reached on Monday-Friday from 8:30 AM - 4:30 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Morse, can be reached at (571) 272-3838.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Or faxed to:**

(571) 273-3800

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*G. M.*  
GREGORY MORSE  
SUPERVISORY PATENT EXAMINER  
TECHNOL 34 : 11/11/2011

Application/Control Number: 09/754,376  
Art Unit: 2134

Page 9

MEH

*MEH*

August 12, 2005